

TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TK-F03057-00	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2005/004175	International filing date (<i>day/month/year</i>) 10.03.2005	Priority date (<i>day/month/year</i>) 01.04.2004
International Patent Classification (IPC) or national classification and IPC B60R22/48, B60R22/34, B60R22/44		
Applicant KABUSHIKI KAISHA TOKAI-RIKA-DENKI-SEISAKUSHO		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input checked="" type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of <u>6</u> sheets, as follows: <input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input checked="" type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application

Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/004175

Box No. I

Basis of the report

1. With regard to the **language**, this report is based on:

the international application in the language in which it was filed



the translation of the international application into _____, which is the language of a translation furnished for the purposes of:



international search (Rule 12.3(a) and 23.1(b))



publication of the international application (Rule 12.4(a))



international preliminary examination (Rule 55.2(a) and/or 55.3(a))

2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

the international application as originally filed/furnished



the description:

pages 1-23 as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____



the claims:

nos. _____ as originally filed/furnished

nos.* _____ as amended (together with any statement) under Article 19

nos.* 2, 7, 8 received by this Authority on 20.04.2006

nos.* _____ received by this Authority on _____



the drawings:

sheets fig. 1-16 as originally filed/furnished

sheets* _____ received by this Authority on _____

sheets* _____ received by this Authority on _____



a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☒ The amendments have resulted in the cancellation of:

the description, pages _____

the claims, nos. 1, 3, 6

the drawings, sheets/figs _____

the sequence listing (*specify*): _____any table(s) related to sequence listing (*specify*): _____4. ☒ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages _____

the claims, nos. 4, 5

the drawings, sheets/figs _____

the sequence listing (*specify*): _____any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/004175

Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	<u>2, 7, 8</u>	YES
	Claims	<u></u>	NO
Inventive step (IS)	Claims	<u>8</u>	YES
	Claims	<u>2, 7</u>	NO
Industrial applicability (IA)	Claims	<u>2, 7, 8</u>	YES
	Claims	<u></u>	NO
2. Citations and explanations (Rule 70.7)			
<p>Document 1: JP 2004-42782 A (Tokai Rika Co., Ltd.), 12 February 2004, paragraphs [0104] to [0119], fig. 4 to 7 & EP 1382498 A & US 2004-75008 A</p> <p>Document 2: JP 2001-225720 A (Takata Corp.), 21 August 2001, fig. 1 to 2 & US 6494395 B</p> <p>Document 3: Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 151483/1988 (Laid-open No. 71055/1990) (Ashimori Industry Co., Ltd.), 30 May 1990, fig. 2 (Family: none)</p> <p>The inventions set forth in claims 2 and 7 do not involve an inventive step in the light of document 1 (paragraphs [0104] to [0119] and fig. 4 to 7), document 2 (fig. 1 and 2) and document 3 (fig. 2), which are cited in the international search report. It would have been easy for a person skilled in the art to conceive of applying the feature disclosed in documents 2 and 3, wherein the clutch mechanism is supported by the case, when configuring the rotor (clutch 90) disclosed in document 1, which comprises a slider (block 146) and a locking bar (pawl 130). Furthermore, the torque limiter (104) disclosed in document 1 serves the same function as</p>			

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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Box No. V**Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

the spring pawl in the invention set forth in claim 7.

On the other hand, the invention set forth in claim 8 is not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box I.4

As amended in the amendment forms received by the International Preliminary Examining Authority on 20 April 2006, claim 4 sets forth a feature wherein the locking bar, which is normally maintained at a disengagement position where it is disengaged from the winding shaft, is made to engage with the winding shaft by merely rotating the ratchet in one direction around the axis of rotation. However, the feature in question is not set forth in the description of the international application as originally filed. Such being the case, the technical features set forth in claims 4 and 5 go beyond the scope of the disclosures in the international application as originally filed.

Furthermore, although the gear wheel (116), the bushing (112), the washer (140), the slider (144), the holder (170) and the spacer (184) are formed from resin, the definition of the term "surrounded" in the disclosure "the ratchet is surrounded by resin members" in claim 5 is unclear.

As amended under the provisions of PCT Article 19, claim 4 indicates that a locking bar is provided to the ratchet, and claim 5 indicates that the ratchet is surrounded by resin members. However, the features in question are not set forth in the description of the international application as originally filed. Such being the case, the technical features set forth in claims 4 to 6 go beyond the scope of the disclosures in the present international application as originally filed.